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Two new genera of Cactaceae

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In our recent study of the genus *Echinocactus*, we have segregated a number of new genera, and restored several previously published, among which are *Malacocarpus*, *Gymnocalycium*, and *Discocactus*, all composed of species native to South America. Among the North American segregates are the two described below, which do not belong even to the same subtribe as *Echinocactus*.

THELOCACTUS (Schumann)

Echinocactus subgenus *Thelocactus* Schumann, Gesamtb. Kakteen 429. 1898.

Cacti of medium size, one-jointed, solitary or caespitose, globose or somewhat depressed, spiny, often densely so; ribs few, low or even indistinct, often spiraled, divided into large tubercles, the flowering ones more or less grooved above; flowers from near the center of the plant, borne on very young tubercles, rather large for the subtribe, campanulate, diurnal; scales on the ovary usually few, their axils naked; fruit, so far as known, dry, dehiscing by a basal pore; seeds numerous, black, finely tuberculate, with a large basal hilum.

Type species: *Echinocactus hexaedrophorus* Lemaire.

The generic name refers to the tubercled ribs.

1. ***Thelocactus hexaedrophorus*** (Lemaire) comb. nov.

Echinocactus hexaedrophorus Lemaire, Cact. Gen. Nov. Sp. 27. 1839.

2. ***Thelocactus bicolor*** (Galeotti) comb. nov.

Echinocactus bicolor Galeotti in Pfeiffer, Abbild. Beschr. Cact. 2: pl. 25. 1848.

3 ***Thelocactus lophothele*** (Salm-Dyck) comb. nov.

Echinocactus lophothele Salm-Dyck, Allg. Gartenz. 18: 395. 1850.

NEOLLOYDIA gen. nov.

Small, more or less caespitose plants, fibrous-rooted, cylindric, one-jointed, densely spiny, tubercled; tubercles borne on spiraled ribs, grooved above; radial spines numerous, widely spreading;

central spines one to several, much stouter and longer than the radials; flowers large, pink or purple, subcentral from the axils of nascent tubercles, their segments widely spreading; fruit compressed-globose, dull colored, thin-walled, becoming papery, dry, with few scales or none; seeds globose, black, dull, tuberculate-roughened, with a large light basal scar.

Type species: *Mammillaria conoidea* De Candolle.

The genus is dedicated to Professor Francis E. Lloyd.

1. **Neolloydia conoidea** (De Candolle) comb. nov.

Mammillaria conoidea De Candolle, Mém. Mus. Hist. Nat. Paris **17**: 112. 1828.

Echinocactus conoideus Poselger, Allg. Gartenz. **21**: 107. 1853.

2. **Neolloydia Beguinii** (Weber) comb. nov.

Echinocactus Beguinii Weber in Schumann, Gesamtb. Kakteen 442. 1898.